



BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

**Overhead Door Corporation**  
**2501 South State Highway 121, Suite 200**  
**Lewisville, TX 75067**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series 170/180, 16' Wide Steel Sectional Garage Door**

**APPROVAL DOCUMENT:** Drawing No. **411056**, titled "Series 170, 180WL WS9, 16' Max. Wide", sheets 1 through 3 of 3, dated 08/09/11, prepared by Overhead Door Corporation, signed and sealed by LeRoy Krupke, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large & Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
08/30/11

NOA No: 11-0211.05  
Expiration Date: September 08, 2016  
Approval Date: September 08, 2011  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**


1. Drawing No. **411056**, titled "Series 170, 180WL WS9, 16' Max. Wide", sheets 1 through 3 of 3, dated 08/09/11, prepared by Overhead Door Corporation, signed and sealed by LeRoy Krupke, P.E.

**B. TESTS**

1. Test report on: 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94,  
along with marked-up drawings of a 16'x 7' Model 8024/8124 Galvanized Steel Sectional Door System, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2047W-2**, dated 05/17/07, signed and sealed by Ramesh Patel, P.E.
2. Test report on: 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94  
2) Large Missile Impact Test, per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading Test, per FBC, TAS 203-94,  
along with marked-up drawings of a 16'x 7' Model 8024/8124 Galvanized Steel Sectional Door System with Impact Resistant Glazing, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2049W-1**, dated 11/09/07, signed and sealed by Ramesh Patel, P.E.
3. Test report on Forced Entry Resistance per FBC, TAS 202-94 of a 16'x7' Series 180 Sectional Residential Steel Door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-01-1016**, dated 05/26/01, signed and sealed Arshad Viqar, P.E.
4. Test report on Tensile Test, per ASTM E8 on embossed steel, prepared by Certified Testing Laboratories, Inc., Report No. **CTLA 1672W**, dated 05/22/07, signed and sealed by Ramesh Patel, P.E.
5. Test report on salt spray exposure, per ASTM B117 on G30, G40 and G90 coupons, prepared by Environmental Testing Laboratory, Inc, Report No. **9100550287**, dated 03/13/06, signed by Brady Richard.

**C. CALCULATIONS**

1. Anchor calculations and commercial track design verification prepared by Overhead Door Engineering, dated 02/08/11, signed and sealed by LeRoy Krupke, P.E.



08/30/11

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 11-0211.05

Expiration Date: September 08, 2016  
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**D. MATERIAL CERTIFICATIONS**

1. Test report on Self Ignition Temperature per ASTM D1929 of EPS foam plastic, prepared by Omega Point Laboratories, dated 05/17/91, signed by William E. Fitch, P.E.
2. Test report on Surface Burning Characteristics (Flame Spread and Smoke Density Index) per ASTM E84 of EPS foam plastic, prepared by Omega Point Laboratories, dated 07/30/01, signed by William E. Fitch, P.E.
3. Notice of Acceptance No. **10-0329.03**, issued to Sheffield Plastic, Inc., for their Makrolon Polycarbonate Sheets, approved on 07/07/10 and expiring on 08/27/12.

**E. QUALITY ASSURANCE**

1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

**F. STATEMENTS**

1. Statement letter of code conformance to 2007 FBC issued by Overhead Door Corporation, dated 02/08/11, signed and sealed by LeRoy Krupke, P.E.
2. No financial interest letter issued by Overhead Door Corporation, dated 08/08/11, signed and sealed by LeRoy Krupke, P.E.



08/30/11

Carlos M. Utrera, P.E.  
Product Control Examiner  
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NOTES:  
1. IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" MAKROLON-AR POLYCARBONATE (MIAMI-DADE NOA #10-0329.03) OR EQUAL. MAXIMUM GLAZING DIMENSIONS SHALL BE 18.56" x 12.26". SEE DETAIL E ON SHEET 2 FOR ASSEMBLY DETAILS.

2. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.

3. KEY LOCK, SLIDE LOCKS, OR OPERATOR REQUIRED.

4. SECTION STEEL TO HAVE A MINIMUM 24 GA THICKNESS WITH A MINIMUM G40 COATING AND A MINIMUM YIELD STRENGTH OF 33.8 KSI.

5. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

6. WOOD SUBSTRATE FOR DOOR JAMB IS TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE. REFER TO SHEET 3 FOR ATTACHMENT TO SUPPORTING STRUCTURE. FOR DIRECT MOUNTING OF JAMB BRACKETS TO OTHER SUBSTRATES, SEE JAMB DETAIL SHEET 2. FOR MOUNTING OF CONTINUOUS WALL ANGLE, SEE CONTINUOUS WALL ANGLE DETAIL SHEET 3.

7. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

8. LOUVERS MAY BE INSTALLED ON THE DOOR IF THE TOTAL AREA OF THE LOUVER DOES NOT EXCEED 120 SQUARE INCHES.

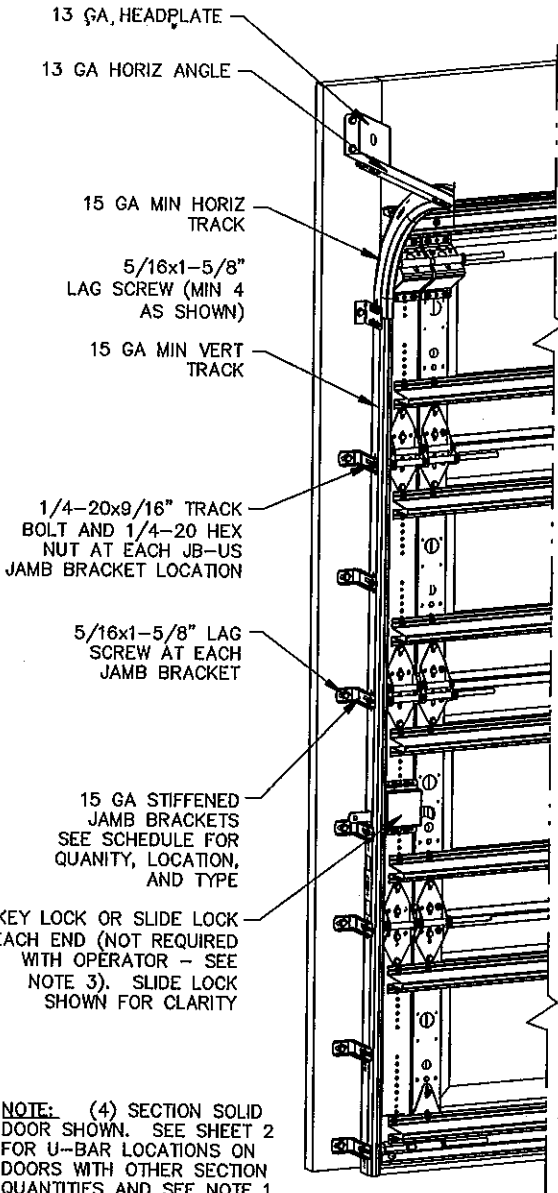
9. DOORS WITH DECORATIVE OVERLAY ARE LIMITED TO A MAX SIZE OF 12' WIDE BY 8' HIGH FOR THIS OPTION CODE.

10. IN LIEU OF THE SHORT PANEL EMBOSMENT SHOWN, LONG PANEL EMBOSMENT OR NO EMBOSMENT MAY BE USED.

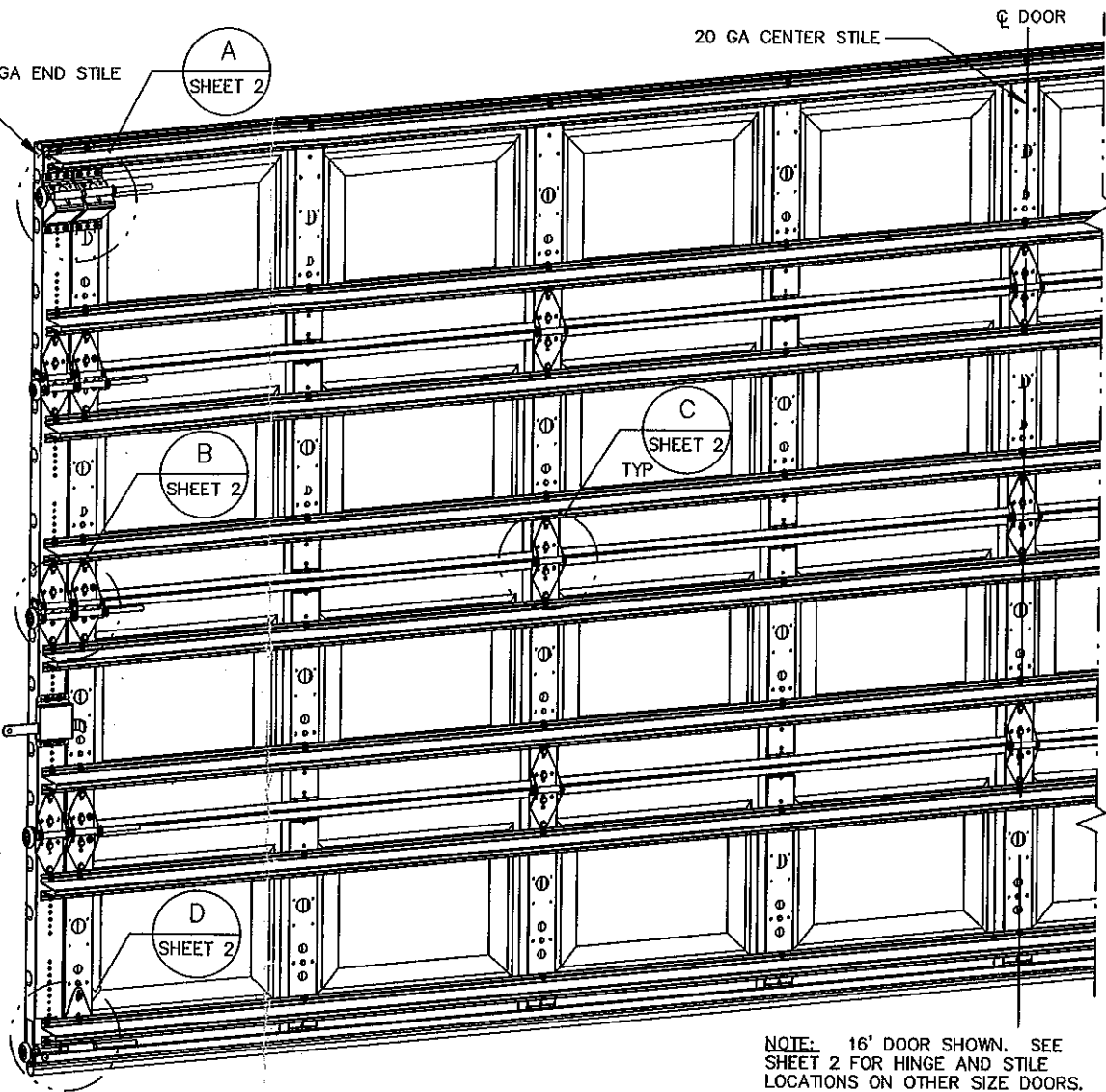
SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE		
DOOR WIDTH	DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)
10'-0"	ALL	+230.0/-260.0
12'-0"	ALL	+276.0/-312.0
14'-0"	ALL	+322.0/-364.0
15'-0"	ALL	+345.0/-390.0
16'-0"	ALL	+368.0/-416.0

APPROVED DESIGNS	
MODEL	CONFIGURATION DESIGN (EMBOSSMENT)
173	SHORT PANEL
174	LONG PANEL
175	FLUSH
183	SHORT PANEL- INSULATED *
184	LONG PANEL- INSULATED *
185	FLUSH - INSULATED *

\* INSULATION IS EXPANDED POLYSTYRENE IN COMPLIANCE WITH 2612.3.1.1 OF THE FBC.



NOTE: (4) SECTION SOLID DOOR SHOWN. SEE SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTE 1 THIS SHEET FOR GLAZING OPTIONS.



JAMB BRACKET SCHEDULE			
DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-6"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)
7'-0"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)
7'-6"	5	8	2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 74-1/2" (JB-US)
8'-0"	5	8	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 75-1/2" (JB-US)
> 8'-0"			SEE NOTE BELOW





NOTE: (JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS GREATER THAN 8' IN HEIGHT OR WITH DECORATIVE OVERLAY REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SHEET 3 FOR DETAILS.

P1

SERIES 173-175, 183-185

STATIC PRESSURE RATINGS	APPROVED SIZES
DESIGN PRESSURE(PSF): 46/-52	MAX WIDTH: 16'
IMPACT/CYCLIC RATED: YES (HVHZ)	MAX HEIGHT: 14'
	MAX SECTION HEIGHT: 21"

THE DRAWINGS AND ALL OTHER INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF OVERHEAD DOOR CORPORATION AND ITS AFFILIATED COMPANIES. THIS DRAWING AND INFORMATION, IN WHOLE OR IN PART, MAY NOT BE COPIED IN ANY MANNER OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION. NO DISCLOSURE OF ANY OF THIS DRAWING OR INFORMATION IS INTENDED TO OPERATE AS A LICENSE OR AUTHORIZATION TO USE IT FOR ANY PURPOSE WITHOUT THE SPECIFIC WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION.										
			TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	 The Genuine. The Original.	LEWISVILLE, TEXAS	NAME	DATE	DRAWING TITLE: SERIES 170, 180WL WS9, 16' MAX WIDE
			HOLE DIAMETER	WHOLE NUMBERS: ± .25	N/A			DRAWN BY: M. SAWICKI	11/30/10	
			UNDER .251 +.004/- .003	± .25	UNIT OF MEASURE	 MATERIAL:  NONE	CHECKED BY: G. FINERAN	7/15/11	DRAWING NUMBER: D-411056	
			.251 TO .500 +.006/- .003	.X ± .1						
			OVER .500 +.008/- .003	.XX ± .03						
			FRACTIONS	.XXX ± .010						
REF DWG	USED ON		± 1/16	ANGLES: ± .5°	EACH		APPROVED BY: F. TJONG	7/15/11	SCALE: 1/2	SHEET 1 OF 3

13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN CENTER SLOT AND 1/4-20x9/16" TRACK BOLT & 1/4-20 HEX NUT THROUGH ANY TWO ALIGNING HOLES

(2) 13 GA COMMERCIAL 'A' FRAME TOP BRACKETS EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS (INSIDE OF EACH INSIDE END HINGE)

2" STEEL ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM AND 7/16" PUSHNUT AT EACH ROLLER LOCATION. 1/4" MAX BETWEEN PUSHNUT AND BRACKET OR HINGE

(2) 14 GA WIDE BODY END HINGES EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS

14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS

12 GA EXTENSION BRACKET ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS (2 THROUGH STRUT AND BRACKET)

14 GA BOTTOM BRACKET ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS THROUGH STRUT AND BOTTOM BRACKET AND (1) 1/4-14x5/8" SELF DRILLING SCREW

1-5/8" THK POLYSTYRENE INSULATION

HIPS BACKER

24ga EXTERIOR STEEL

SECTION CUTAWAY FOR 180 SERIES

DETAIL A

DETAIL B

DETAIL C

DETAIL D

DETAIL E

CENTER STILE & INTERMEDIATE HINGE LOCATIONS

U-BAR LOCATIONS

(8) SECTION DOORS WITH (16) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

(7) SECTION DOORS WITH (14) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

(6) SECTION DOORS WITH (12) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

(5) SECTION DOORS WITH (10) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

(4) SECTION DOORS WITH (8) 3" 18 GA 80 KSI U-BARS LOCATED AS SHOWN

ATTACH U-BAR WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS AT EACH STILE LOCATION, TYP.

(16) #8x3/4" MIN STAINLESS SCREWS WITH STAINLESS BACKED RUBBER WASHERS

1/8" BEAD GE ULTRAGLAZE SSG4000AC STRUCTURAL SEALANT OR EQUIVALENT

FACER STEEL

OPTIONAL NON-STRUCTURAL DECORATIVE INNER WINDOW TRIM

OPTIONAL NON-STRUCTURAL DECORATIVE OUTER WINDOW TRIM

1/4" POLYCARBONATE

2 3/4" MIN EDGE DIST

3/8" SIMPSON TITEN HD, 2-3/4" MIN EMBED INTO MIN 2000 PSI CONCRETE FOR EACH JAMB BRACKET LOCATION

JAMB BRACKET 1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT

TRACK


CONCRETE MOUNTING DETAIL

REVISIONS				
REV	DESCRIPTION	DATE	APPROVAL	
500869	RELEASE PER ER	07/15/11	SFT	

Approved as complying with the Florida Building Code  
Date 09/08/2011  
NOA# 11-0211.05  
Miami Code Product Control  
By *[Signature]*

*[Signature]*  
8/19/11

OVERHEAD DOOR CORPORATION  
2501 S. STATE HWY 121, BUSINESS  
LEWISVILLE, TX 75067  
LEROY KRUPKE, FL PE 36580

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			TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	LEWISVILLE, TEXAS	NAME	DATE	DRAWING TITLE SERIES 170, 180WL WS9, 16' MAX WIDE	
			HOLE DIAMETER	WHOLE NUMBERS: ± .25	N/A		MATERIAL  NONE	DRAWN BY: M. SAWICKI		11/30/10
			UNDER .251 +.004/- .003	.X ± .1	UNIT OF MEASURE EACH			CHECKED BY: G. FINERAN		7/15/11
			.251 TO .500 +.006/- .003	.XX ± .03				APPROVED BY: F. TJONG		7/15/11
		OVER .500 +.008/- .003	.XXX ± .010						DRAWING NUMBER D- 411056	
REF DWG	USED ON	ASME Y14.100 AND Y14.5 APPLY UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.	FRACTIONS ± 1/16	ANGLES: ± .5°					DRAWING NUMBER D- 411056	
									SCALE 1/2" = 1'-0"	
									SHEET 2 OF 3	

